# Elena Moltchanova

List of Publications by Year
in descending order

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|---|---|---|---|
| 88<br>papers | 2,400<br>citations | 257450<br>24<br>h-index | 223800<br>46<br>g-index |
| 90<br>all docs | 90<br>docs citations | 90<br>times ranked | 4137<br>citing authors |

| # | Article | IF | Citations |
|---|---------|-----|-----------|
| 1 | Using miniature plots to assess the effects of soils on the productivity of tropical plantation forests: a case study from Sabah, Malaysia. New Forests, 2022, 53, 353-369. | 1.7 | 0 |
| 2 | Modelling the emergence dynamics of the western corn rootworm beetle (Diabrotica virgifera) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 702 | 3.3 | 1 |
| 3 | Estimating global economic well-being with unlit settlements. Nature Communications, 2022, 13, 2459. | 12.8 | 22 |
| 4 | How many people need to classify the same image? A method for optimizing volunteer contributions in binary geographical classifications. PLoS ONE, 2022, 17, e0267114. | 2.5 | 6 |
| 5 | Optimizing Crowdsourced Land Use and Land Cover Data Collection: A Two-Stage Approach. Land, 2022, 11, 958. | 2.9 | 2 |
| 6 | Sample size estimation for achieving the desired uncertainty for estimates of tree fine root trait parameters. Trees - Structure and Function, 2021, 35, 347-356. | 1.9 | 0 |
| 7 | Soil cadmium mobilisation by dissolved organic matter from soil amendments. Chemosphere, 2021, 271, 129536. | 8.2 | 30 |
| 8 | Russian forest sequesters substantially more carbon than previously reported. Scientific Reports, 2021, 11, 12825. | 3.3 | 38 |
| 9 | Urinary neopterin and total neopterin measurements allow monitoring of oxidative stress and inflammation levels of knee and hip arthroplasty patients. PLoS ONE, 2021, 16, e0256072. | 2.5 | 4 |
| 10 | Density dependence and spatial heterogeneity limit the population growth rate of invasive pines at the landscape scale. Ecography, 2021, 44, 1463-1473. | 4.5 | 2 |
| 11 | Evaluating sources of variability in inflorescence number, flower number and the progression of flowering in Sauvignon blanc using a Bayesian modelling framework. Oeno One, 2021, 56, 1-15. | 1.4 | 2 |
| 12 | Quantifying perennial ryegrass (Lolium perenne L.) and white clover (Trifolium repens L.) seed germination responses to water potential and temperature with a hydrothermal time model. New Zealand Journal of Agricultural Research, 2020, 63, 379-394. | 1.6 | 4 |
| 13 | Expressing uncertainty in Human-Robot interaction. PLoS ONE, 2020, 15, e0235361. | 2.5 | 3 |
| 14 | Comparison of three different statistical approaches (non-linear least-squares regression, survival) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 germination. Seed Science Research, 2020, 30, 64-72. | 1.7 | 6 |
| 15 | Change detection in noisy dynamic networks: a spectral embedding approach. Social Network Analysis and Mining, 2020, 10, 1. | 2.8 | 10 |
| 16 | Oxidative stress and immune cell activation quantification in sepsis and non-sepsis critical care patients by neopterin/7,8-dihydroneopterin analysis. Pteridines, 2020, 31, 68-82. | 0.5 | 4 |
| 17 | Long seed dispersal distances by an inquisitive flightless rail ( *Gallirallus australis* ) are reduced by interaction with humans. Royal Society Open Science, 2019, 6, 190397. | 2.4 | 7 |
| 18 | GWAS on longitudinal growth traits reveals different genetic factors influencing infant, child, and adult BMI. Science Advances, 2019, 5, eaaw3095. | 10.3 | 86 |

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|---|---------|----|-----------| 
| 19 | Spatio-temporal analysis of differences in campylobacteriosis incidence between urban and rural areas in the Southern District Health Board, New Zealand. Spatial and Spatio-temporal Epidemiology, 2019, 31, 100304. | 1.7 | 0 |
| 20 | A zero-inflated Poisson mixture model to analyse spread and abundance of the Western Corn Rootworm in Austria. Agricultural Systems, 2019, 174, 105-116. | 6.1 | 11 |
| 21 | Estimating the global distribution of field size using crowdsourcing. Global Change Biology, 2019, 25, 174-186. | 9.5 | 108 |
| 22 | Real options economic control chart for binomial and normal processes. Quality and Reliability Engineering International, 2019, 35, 385-391. | 2.3 | 1 |
| 23 | Spatial distribution of arable and abandoned land across former Soviet Union countries. Scientific Data, 2018, 5, 180056. | 5.3 | 81 |
| 24 | Evaluating statistical model performance in water quality prediction. Journal of Environmental Management, 2018, 206, 910-919. | 7.8 | 78 |
| 25 | Forest disturbance and seasonal food availability influence a conditional seed dispersal mutualism. Biotropica, 2018, 50, 750-757. | 1.6 | 13 |
| 26 | Improved Estimates of Biomass Expansion Factors for Russian Forests. Forests, 2018, 9, 312. | 2.1 | 46 |
| 27 | Introduction of mammalian seed predators and the loss of an endemic flightless bird impair seed dispersal of the New Zealand tree <i>Elaeocarpus dentatus</i>. Ecology and Evolution, 2018, 8, 5992-6004. | 1.9 | 14 |
| 28 | LEGO products have become more complex. PLoS ONE, 2018, 13, e0190651. | 2.5 | 3 |
| 29 | Nesting Ecology of a Small Montane Population of the Nigerian/Cameroon Chimpanzee (Pan) Tj ETQq1 1 0.784314 rgBT /Overlock 10 | 0.7 | 7 |
| 30 | Individual differences are more important than the emotional category for the perception of emotional expressions. Interaction Studies, 2017, 18, 161-173. | 0.6 | 2 |
| 31 | Application of Balanced Acceptance Sampling to an Intertidal Survey. Journal of Landscape Ecology(Czech Republic), 2017, 10, 96-107. | 0.9 | 1 |
| 32 | Bayesian real options control chart. Quality and Reliability Engineering International, 2017, 33, 2205-2213. | 2.3 | 1 |
| 33 | Effective sample size estimation for a mechanical ventilation trial through Monte-Carlo simulation: Length of mechanical ventilation and Ventilator Free Days. Mathematical Biosciences, 2017, 284, 21-31. | 1.9 | 8 |
| 34 | On correlation analysis of manyâ€toâ€many observations: an alternative to Pearson's correlation coefficient and its application to an ecotoxicological study. Australian and New Zealand Journal of Statistics, 2017, 59, 371-387. | 0.9 | 2 |
| 35 | Ecological Factors Preventing Restoration of Degraded Short Tussock Landscapes in New Zealandâ€™s Dryland Zone. Open Agriculture, 2017, 2, 442-452. | 1.7 | 1 |
| 36 | Comparison of Data Fusion Methods Using Crowdsourced Data in Creating a Hybrid Forest Cover Map. Remote Sensing, 2016, 8, 261. | 4.0 | 35 |

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| 37 | Cryopreservation of Prunus padus seeds: emphasising the significance of Bayesian methods for data analysis. Canadian Journal of Forest Research, 2016, 46, 766-774. | 1.7 | 7 |
| 38 | Paired double-ranked set sampling. Communications in Statistics - Theory and Methods, 2016, 45, 2873-2889. | 1.0 | 28 |
| 39 | Improved best linear unbiased estimators for the simple linear regression model using double ranked set sampling schemes. Communications in Statistics - Theory and Methods, 2016, 45, 3541-3561. | 1.0 | 3 |
| 40 | Stop! That is close enough. How body postures influence human-robot proximity. , 2016, , . | | 31 |
| 41 | Uncertainty in soil data can outweigh climate impact signals in global crop yield simulations. Nature Communications, 2016, 7, 11872. | 12.8 | 179 |
| 42 | Hybrid ranked set sampling scheme. Journal of Statistical Computation and Simulation, 2016, 86, 1-28. | 1.2 | 18 |
| 43 | A New Synthetic Exponentially Weighted Moving Average Control Chart for Monitoring Process Dispersion. Quality and Reliability Engineering International, 2016, 32, 241-256. | 2.3 | 10 |
| 44 | Best linear unbiased and invariant estimation in location-scale families based on double-ranked set sampling. Communications in Statistics - Theory and Methods, 2016, 45, 25-48. | 1.0 | 2 |
| 45 | New Synthetic EWMA and Synthetic CUSUM Control Charts for Monitoring the Process Mean. Quality and Reliability Engineering International, 2016, 32, 269-290. | 2.3 | 30 |
| 46 | Have LEGO Products Become More Violent?. PLoS ONE, 2016, 11, e0155401. | 2.5 | 3 |
| 47 | Effect of the addition of bird repellents to aerially applied 1080 baits on rat and possum abundance. , 2016, 40, 49-59. | | 5 |
| 48 | A New Exponentially Weighted Moving Average Control Chart for Monitoring Process Dispersion. Quality and Reliability Engineering International, 2015, 31, 1337-1357. | 2.3 | 4 |
| 49 | A New Exponentially Weighted Moving Average Control Chart for Monitoring the Process Mean. Quality and Reliability Engineering International, 2015, 31, 1623-1640. | 2.3 | 12 |
| 50 | Varied L Ranked Set Sampling Scheme. Journal of Statistical Theory and Practice, 2015, 9, 741-767. | 0.5 | 24 |
| 51 | Mapping global cropland and field size. Global Change Biology, 2015, 21, 1980-1992. | 9.5 | 404 |
| 52 | Development of a global hybrid forest mask through the synergy of remote sensing, crowdsourcing and FAO statistics. Remote Sensing of Environment, 2015, 162, 208-220. | 11.0 | 97 |
| 53 | Improved Exponentially Weighted Moving Average Control Charts for Monitoring Process Mean and Dispersion. Quality and Reliability Engineering International, 2015, 31, 217-237. | 2.3 | 27 |
| 54 | A New Maximum Exponentially Weighted Moving Average Control Chart for Monitoring Process Mean and Dispersion. Quality and Reliability Engineering International, 2015, 31, 1587-1610. | 2.3 | 25 |

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| 55 | New Synthetic Control Charts for Monitoring Process Mean and Process Dispersion. Quality and Reliability Engineering International, 2015, 31, 1305-1325. | 2.3 | 16 |
| 56 | Effect of measurement error on exponentially weighted moving average control charts under ranked set sampling schemes. Journal of Statistical Computation and Simulation, 2015, 85, 1224-1246. | 1.2 | 53 |
| 57 | An Improved Maximum Exponentially Weighted Moving Average Control Chart for Monitoring Process Mean and Variability. Quality and Reliability Engineering International, 2015, 31, 265-290. | 2.3 | 17 |
| 58 | LEGO Pictorial Scales for Assessing Affective Response. Lecture Notes in Computer Science, 2015, , 263-280. | 1.3 | 7 |
| 59 | Comparing the Similarity of Responses Received from Studies in Amazon's Mechanical Turk to Studies Conducted Online and with Direct Recruitment. PLoS ONE, 2015, 10, e0121595. | 2.5 | 228 |
| 60 | A New Cumulative Sum Quality Control Scheme for Monitoring the Process Mean. Quality and Reliability Engineering International, 2014, 30, 1165-1177. | 2.3 | 14 |
| 61 | Improved Fast Initial Response Features for Exponentially Weighted Moving Average and Cumulative Sum Control Charts. Quality and Reliability Engineering International, 2014, 30, 697-710. | 2.3 | 28 |
| 62 | Blunted hypothalamic–pituitary–adrenal axis and insulin response to psychosocial stress in young adults born preterm at very low birth weight. Clinical Endocrinology, 2014, 80, 101-106. | 2.4 | 38 |
| 63 | Secondary removal of seeds dispersed by chimpanzees in a Nigerian montane forest. African Journal of Ecology, 2014, 52, 438-447. | 0.9 | 11 |
| 64 | New Exponentially Weighted Moving Average Control Charts for Monitoring Process Dispersion. Quality and Reliability Engineering International, 2014, 30, 1311-1332. | 2.3 | 17 |
| 65 | Mixed ranked set sampling design. Journal of Applied Statistics, 2014, 41, 2141-2156. | 1.3 | 26 |
| 66 | The Interplay of Habitat and Seed Type on Scatterhoarding Behavior in a Fragmented Afromontane Forest Landscape. Biotropica, 2014, 46, 264-267. | 1.6 | 22 |
| 67 | Ordered Double Ranked Set Samples and Applications to Inference. American Journal of Mathematical and Management Sciences, 2014, 33, 239-260. | 0.9 | 9 |
| 68 | Spatial analysis of suicide mortality in Québec: Spatial clustering and area factor correlates. Psychiatry Research, 2014, 220, 20-30. | 3.3 | 40 |
| 69 | Mg and Ca in groundwater and the incidence of acute coronary syndrome: Application of a Bayesian spatial method in medical geology. Hydrogeology, 2014, , 153-162. | 0.1 | 0 |
| 70 | Partial ranked set sampling design. Environmetrics, 2013, 24, 201-207. | 1.4 | 31 |
| 71 | Systematic overestimation of Salicaceae seed survival using radicle emergence in response to drying and storage: implications for ex situ seed banking. Acta Physiologiae Plantarum, 2013, 35, 3015-3025. | 2.1 | 23 |
| 72 | Influence of soil bulk density and matric potential on microbial dynamics, inorganic N transformations, N2O and N2 fluxes following urea deposition. Soil Biology and Biochemistry, 2013, 65, 1-11. | 8.8 | 41 |

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|---|---------|----|-----------|
| 73 | Bayesian modeling of the evolution of male height in 18th century Finland from incomplete data. Economics and Human Biology, 2013, 11, 405-415. | 1.7 | 5 |
| 74 | Phormidium autumnale Growth and Anatoxin-a Production under Iron and Copper Stress. Toxins, 2013, 5, 2504-2521. | 3.4 | 36 |
| 75 | Seasonality and ambient temperature at time of conception in term-born individuals â€" influences on cardiovascular disease and obesity in adult life. International Journal of Circumpolar Health, 2013, 72, 21466. | 1.2 | 11 |
| 76 | Bayesian Spatiotemporal Analysis of Radiocarbon Dates from Eastern Fennoscandia. Radiocarbon, 2012, 54, 649-659. | 1.8 | 6 |
| 77 | The regional association of rising type 2 diabetes incidence with magnesium in drinking water among young adults. Environmental Research, 2012, 112, 126-128. | 7.5 | 6 |
| 78 | Birth-weight and resting metabolic rate in adulthood â€" sex-specific differences. Annals of Medicine, 2012, 44, 296-303. | 3.8 | 14 |
| 79 | Modeling climate change and biophysical impacts of crop production in the Austrian Marchfeld Region. Climatic Change, 2012, 111, 641-664. | 3.6 | 27 |
| 80 | The value of rapid damage assessment for efficient earthquake response. Safety Science, 2011, 49, 1164-1171. | 4.9 | 8 |
| 81 | The association between salt intake and adult systolic blood pressure is modified by birth weight. American Journal of Clinical Nutrition, 2011, 93, 422-426. | 4.7 | 25 |
| 82 | Perinatal risk factors in young adult-onset type 1 and type 2 diabetes â€" a population-based case-control study. Acta Obstetricia Et Gynecologica Scandinavica, 2009, 88, 468-474. | 2.8 | 11 |
| 83 | Geographical variation of medicated parkinsonism in Finland during 1995 to 2000. Movement Disorders, 2008, 23, 1024-1031. | 3.9 | 12 |
| 84 | Valuing Weather Observation Systems For Forest Fire Management. IEEE Systems Journal, 2008, 2, 349-357. | 4.6 | 16 |
| 85 | Genetic random effects model for family data with longâ€term survivors: analysis of diabetic nephropathy in type 1 diabetes. Genetic Epidemiology, 2007, 31, 697-708. | 1.3 | 6 |
| 86 | Calcium:Magnesium Ratio in Local Groundwater and Incidence of Acute Myocardial Infarction among Males in Rural Finland. Environmental Health Perspectives, 2006, 114, 730-734. | 6.0 | 39 |
| 87 | Geographical variation in the incidence of acute myocardial infarction in eastern Finland â€" a Bayesian perspective. Annals of Medicine, 2003, 35, 43-50. | 3.8 | 9 |
| 88 | Comparing the performance of supervised classification methods on a multispecies fishery of post-larval galaxiids. New Zealand Journal of Marine and Freshwater Research, 0, , 1-12. | 2.0 | 0 |